Directions

Glance 'n Go Sampling for Greenbugs in Winter Wheat

Treatment Threshold = 6 Greenbugs/Tiller



Economic Thresholds for January - May

Prepared by Tom A. Royer and K.L. Giles, Oklahoma State University, and N.C. Elliott, USDA-ARS, Stillwater, OK.

- ► To sample the wheat field, use a "zig zag" or "W" pattern and walk at least 15 steps (about 30 ft) between stops.
- ► Carefully pull and examine 3 tillers (stems) per stop, taking one tiller from the left, right, and front.
- At each stop, color in the leaf for each tiller that has one or more greenbugs on it, and keep a running total. If the number of infested tillers is less than or equal to the number in the "Don't Treat" column then stop sampling, and do not treat. If the number of infested tillers is equal to or greater than the number in the "Treat" column then stop sampling, and treat the field. If the number falls within the numbers listed in the "Keep Sampling" column, continue sampling until a decision can be made, or the "Stop Sampling" box has been reached.
- ▶ If the "Stop Sampling" box is reached and a decision is not made:
 - ▶ Do not spray if most of the greenbugs are mummies.
 - ▶ Recheck the field in 2-4 days if no or very few mummies are present.

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Field 1

Date

Spring, Threshold = 6

				Γ Θ,					
Sample ▼		Stop eve Mark a leaf for ea	Total tillers with Don't 1 or more Treat		Keep Sampling	Treat			
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼	▼
Tillers 1-15 ▶	۵۵۵	٥٥٥	۵۵۵	۵۵۵	۵۵۵	▶ /15▶	7 or less	8-15	N/A
Tillers 16-30 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /30 ▶	19 or less	20-28	29 or more
Tillers 31-45 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	۵۵۵	▶ /45 ▶	31 or less	32-40	41 or more
Γillers 46-60 ▶	٥٥٥	٥٥٥	۵۵۵	٥٥٥	۵۵۵	▶ /60▶	43 or less	44-52	53 or more
Tillers 61-75 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	► /75 ►	55 or less	56-65	66 or more
Tillers 76-90 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /90▶	68 or less	69-77	78 or more
		Stop Samplin	g Resamp	le in 2-4 days		-			

Field 2

Date

Stop Sampling

Spring, Threshold = 6

Sample ▼	C: 1	Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs						Keep Sampling	
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼	▼
Tillers 1-15 ▶	۵۵۵	٥٥٥	٥٥٥	۵۵۵	۵۵۵	▶ /15▶	7 or less	8-15	N/A
Tillers 16-30 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /30▶	19 or less	20-28	29 or more
Tillers 31-45 ▶	۵۵۵	۵۵۵	۵۵۵	۵۵۵	۵۵۵	▶ /45 ▶	31 or less	32-40	41 or more
Tillers 46-60 ▶	۵۵۵	۵۵۵	۵۵۵	۵۵۵	۵۵۵	▶ /60▶	43 or less	44-52	53 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	$\Diamond\Diamond\Diamond$	000	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶	۵۵۵	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /90 ▶	68 or less	69-77	78 or more

Resample in 2-4 days

Field 3		Date	S	pring, Thres	shold = 6				DSU HHOMA COOPERATIVE KITINSION SERVICE
Sample ▼		Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs						Keep Sampling	Treat
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼ -	▼
Tillers 1-15 ▶	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond\Diamond\Diamond$	000	۵۵۵	▶ /15▶	7 or less	8-15	N/A
Tillers 16-30 ▶	$\Diamond \Diamond \Diamond$	$\delta \delta \delta$	٥٥٥	٥٥٥	٥٥٥	▶ /30▶	19 or less	20-28	29 or more
Tillers 31-45 ▶	$\Diamond \Diamond \Diamond$	000	٥٥٥	٥٥٥	٥٥٥	▶ /45 ▶	31 or less	32-40	41 or more
Tillers 46-60 ▶	$\Diamond \Diamond \Diamond$	000	000	٥٥٥	٥٥٥	▶ /60▶	43 or less	44-52	53 or more
Tillers 61-75 ▶	$\delta\delta\delta$	٥٥٥	۵۵۵	۵۵۵	۵۵۵	▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶	٥٥٥	٥٥٥	۵۵۵	۵۵۵	۵۵۵	▶ /90▶	68 or less	69-77	78 or more

Field 4 Date Spring, Threshold = 6

				Γ Θ,					
Sample ▼			ery 30 ft. and look at sch tiller that has 1 o		Total tillers with 1 or more	Don't Treat	Keep Sampling	Treat	
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼	\blacksquare
Tillers 1-15 ▶	٥٥٥	٥٥٥	۵۵۵	۵۵۵	۵۵۵	▶ /15▶	7 or less	8-15	N/A
Tillers 16-30 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	► /30►	19 or less	20-28	29 or more
Tillers 31-45 ▶	٥٥٥	٥٥٥		٥٥٥	٥٥٥	► /45 ►	31 or less	32-40	41 or more
Tillers 46-60 ▶	۵۵۵	٥٥٥	٥٥٥	٥٥٥	۵۵۵	▶ /60▶	43 or less	44-52	53 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	٥٥٥	000	٥٥٥	٥٥٥	▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶	٥٥٥	000	٥٥٥	٥٥٥	٥٥٥	▶ /90▶	68 or less	69-77	78 or more
		Stop Samplin	g Resamp	le in 2-4 days					

Field 5 Date Spring, Threshold = 6

Sample ▼		Total tillers with 1 or more	Don't Treat	Keep Sampling	Treat				
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼ °	▼
Tillers 1-15 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /15▶	7 or less	8-15	N/A
Tillers 16-30 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /30 ▶	19 or less	20-28	29 or more
Tillers 31-45 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /45 ▶	31 or less	32-40	41 or more
Tillers 46-60 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	$\delta \delta \delta$	٥٥٥	▶ /60 ▶	43 or less	44-52	53 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	۵۵۵	▶ /90 ▶	68 or less	69-77	78 or more
		Stop Samplin	g Resamp	le in 2-4 days		-			